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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/34162

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| A. CLASSIFICATION OF SUBJECT MATTER | | | | | |
| IPC(7) : C07H 21/04; C12N 15/00; A61K 39/00 | | | | | |
| | US CL : 536/23.4; 435/320.1; 424/184.1 | | | | |
| | International Patent Classification (IPC) or to both | national classification and IPC | | | |
| B. FIEL | DS SEARCHED | | | | |
| Minimum do | cumentation searched (classification system follower | 1 by classification symbols) | | | |
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| Documentati | on searched other than minimum documentation to ti | ne extent that such documents are include | d in the fields searched | | |
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| Electronic da | ata base consulted during the international search (na | me of data base and, where practicable, s | earch terms used) | | |
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| | UMENTS CONSIDERED TO BE RELEVANT | | | | |
| Category * | Citation of document, with indication, where a | | Relevant to claim No. | | |
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| Further | documents are listed in the continuation of Box C. | See patent family annex. | | | |
| S | pecial categories of cited documents: | "T" later document published after the inte | roational filing date or priority | | |
| "A" document | defining the general state of the art which is not considered to be | date and not in conflict with the applic | ation but cited to understand the | | |
| | defining the general state of the art which is not considered to be | principle or theory underlying the inve | di foor | | |
| • | | "X" document of particular relevance; the | claimed invention cannot be | | |
| E. carlier ab | plication or patent published on or after the international filing date | considered novel or cannot be consider | | | |
| "L" document | which may throw doubts on priority claim(s) or which is cited to | when the document is taken alone | | | |
| | the publication date of another citation or other special reason (as | "Y" document of particular relevance; the | claimed invention cannot be | | |
| specified) | | considered to involve an inventive step combined with one or more other such | when the document is | | |
| "O" document | referring to an oral disclosure, use, exhibition or other means | being obvious to a person skilled in the | | | |
| "P" document | sublished price to the international filling data has been de- | | | | |
| | published prior to the international filing date but later than the ate claimed | "&" document member of the same patent i | amily | | |
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| Date of the actual completion of the international search Date of mailing of the international | | | rch report | | |
| May 4, 2001 | | 06 JUN 20 | N1] | | |
| | ailing address of the ISA/IIS | Authorized officer | <u> </u> | | |
| Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Authorized officer | | | 11/1 | | |
| Box PCT | | Authorized officer Eleanor Sorbello Chay Wall- 4 | | | |
| Washington, D.C. 20231 | | , | | | |
| Facsimile No. (703)305-3230 Telephone No. 703-308-0196 | | | | | |

INTERNATIONAL SEARCH REPORT

International application No.

PC 300/34162

| Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet) | | | | |
|---|--|--|--|--|
| This international report has not been established in respect of certain claims under Article 17(2)(a) for the fellowing reasons: | | | | |
| 1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely: | | | | |
| 2. Claim Nos.: 3-5,8-19,23-25 a.c. 29 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Please See Continuation Sheet | | | | |
| 3. Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). | | | | |
| Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet) | | | | |
| This International Searching Authority found multiple inventions in this international application, as follows: | | | | |
| | | | | |
| 1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. | | | | |
| 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. | | | | |
| 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: | | | | |
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| | | | | |
| 4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: | | | | |
| Remark on Protest The additional search fees were accompanied by the applicant's protest. | | | | |
| No protest accompanied the payment of additional search fees. | | | | |
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Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/34162

| Continuation of Box I Reason2: Claims 3-5, 8-19, 23-25 and 29 were not searched as the applicantion did not compsequence rules. The CRF was found to be defective. A CRF Error Report was faxed to Mark Hand on March 3, 2001. | ly with |
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| corrected diskette has not been submitted. | 10weve1, |
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Form PCT/ISA/210 (extra sheet) (July 1998)